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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: TAKASHI MUKAIHIRA ET AL.

Serial No.: 10/032,102 Group Art Unit: 3748

Filed: DECEMBER 31, 2001 Examiner: B. TRAN

Title: SYSTEM FOR DIAGNOSING DETERIORATION OF  
CATALYST

#13/B  
10/17/03  
D/Scull

REPLY UNDER 37 CFR § 1.114

**Mail Stop RCE**  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

The following is responsive to the Office Action mailed on or about April 9,  
2003.

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OCT 16 2003

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